

Title (en)
METHOD FOR CALIBRATING MULTI-COMPONENT FORCE DETECTOR PROVIDED IN ROLLING RESISTANCE TESTING MACHINE

Title (de)
VERFAHREN ZUR KALIBRIERUNG EINES MEHRKOMONENTIGEN KRAFTMESSFÜHLERS IN EINER ROLLWIDERSTANDSPRÜFMASCHINE

Title (fr)
PROCÉDÉ POUR ÉTALONNER UN DÉTECTEUR DE FORCES À COMPOSANTES MULTIPLES DISPOSÉ DANS UNE MACHINE DE TEST DE
RÉSISTANCE AU ROULEMENT

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Application
EP 11849114 A 20111209

Priority
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Abstract (en)
[origin: EP2653851A1] A crosstalk correction coefficient of a multi component force detector provided in a rolling resistance testing machine is simply and highly precisely calibrated. The present invention provides a method of calibrating a multi component force detector provided in a rolling resistance testing machine (1) including a spindle shaft (5) to which a tire (T) is attached, a running drum (3) with a simulation road surface (2) on which the tire (T) is pressed, and a rotation torque meter (7) provided in a rotation shaft of the running drum (3); in which, in performing a process of calculating a force acting on the tire (T) from a measurement value of the multi component force detector by using a crosstalk correction coefficient that corrects an influence of crosstalk occurring in the multi component force detector, the crosstalk correction coefficient is calibrated by using a "rolling test data" including a rotation torque measured by the rotation torque meter (7) and a force measured by the multi component force detector.

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• See references of WO 2012081525A1

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